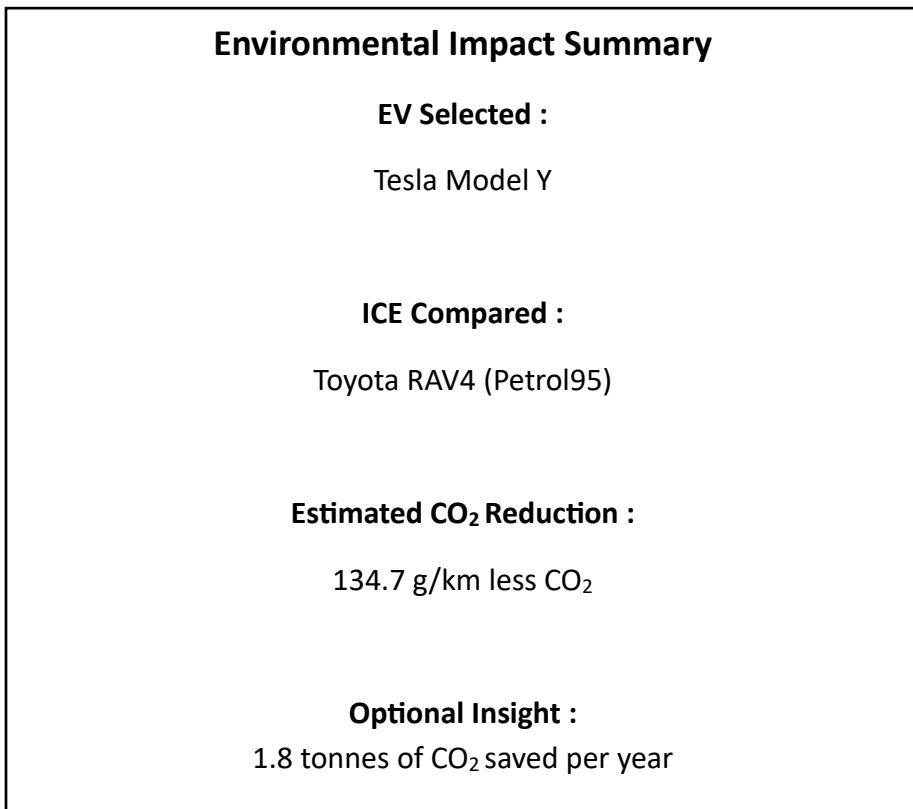# Environmental Impact Analysis

Overview

This feature estimates CO_2 savings when moving from an ICE vehicle to an EV using model projections. The goal is to make the environmental benefits plain and understandable.

Visual Summary

<div style="border:1px solid">

Environmental Impact Summary

EV Selected :

Tesla Model Y

ICE Compared :

Toyota RAV4 (Petrol95)

Estimated CO_2 Reduction :

134.7 g/km less CO_2

Optional Insight :
1.8 tonnes of CO_2 saved per year

</div>

This represents:

- What the user sees
- The number derived from your API
- How it may appear as a card, panel, or comparison result.

How This Uses API (For Web Team)

- Frontend delivers EV and ICE car information to /predict.
- The API returns predicted CO2 savings.
- Frontend shows the value in a summary card or comparative view.
- Optional computations, such as annual savings, can be handled on the frontend.

Where Could This Appear?

- Vehicle Comparison Screen
- User Dashboard (environmental insights section)
- EV suggestion or summary page.

Diagram

| User selects EV + ICE | → | Frontend sends vehicle data | → | /predict API | → | CO_2 savings value returned | → | Frontend displays summary card |